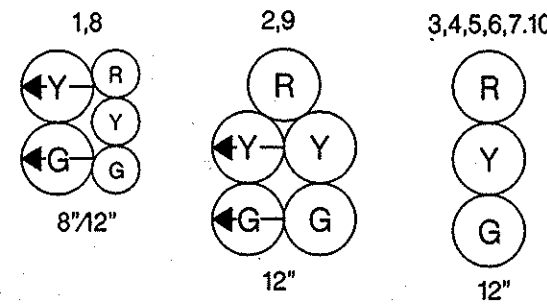


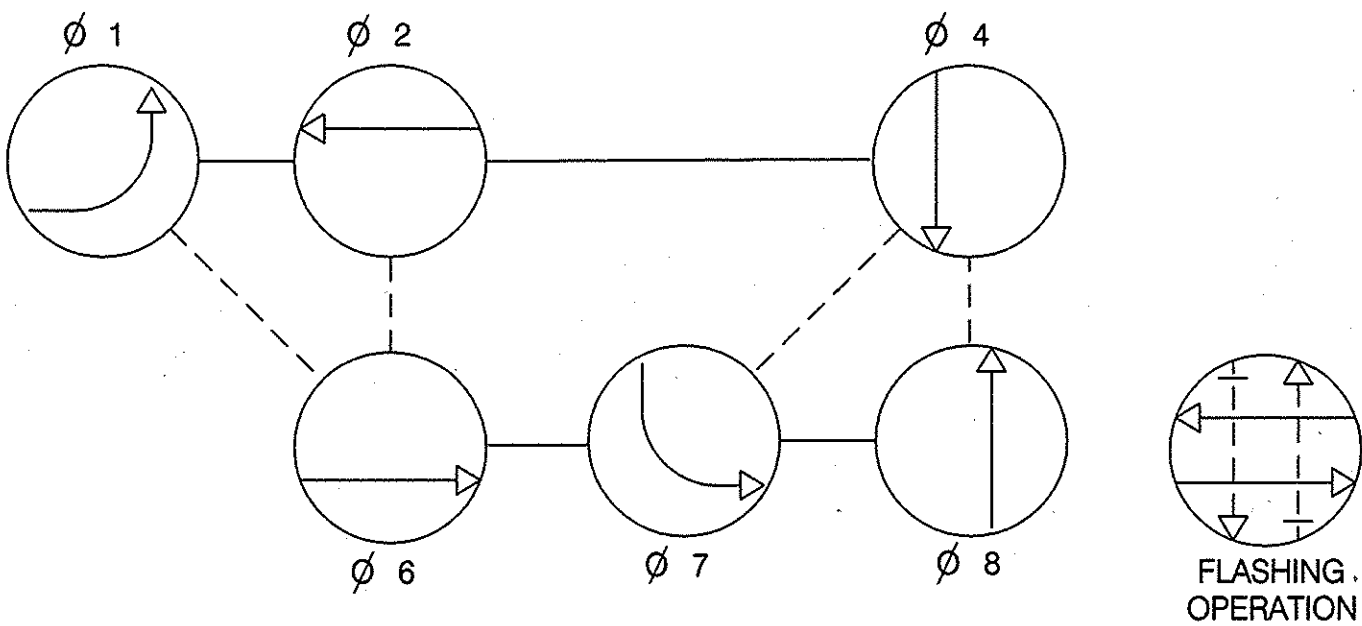
EXISTING SIGNALS



EXISTING VIDEO DETECTION CAMERA

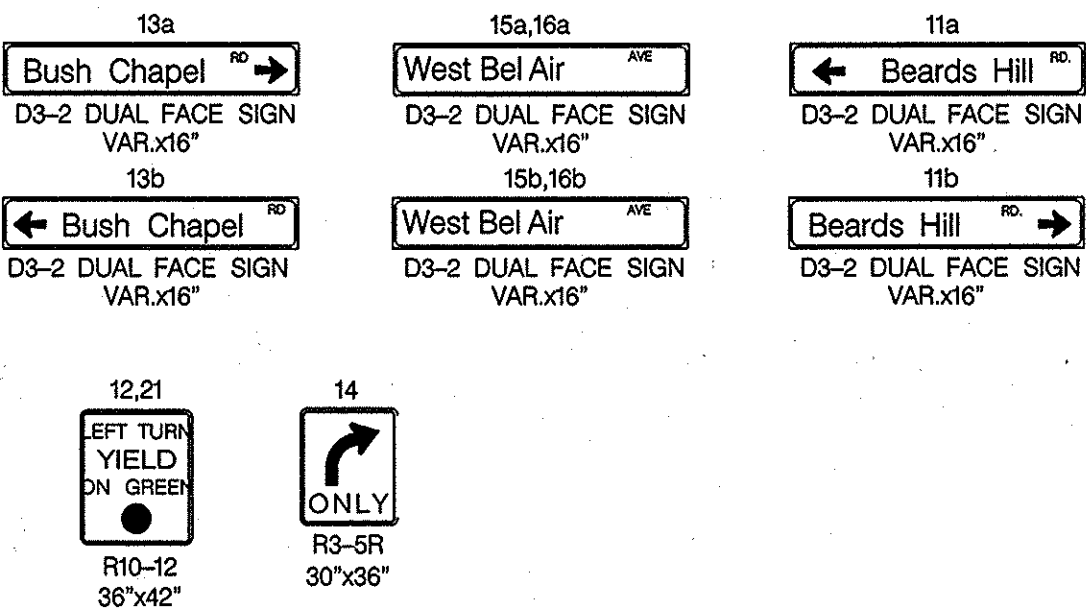


NEMA PHASING



- PHASING NOTES:
- 1) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
 - 2) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

EXISTING SIGNS



GENERAL NOTES

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
2. DISCONNECT EXISTING MICRO-LOOP PROBE LEAD-IN FROM THE CONTROLLER AND REMOVE TO THIS POINT, INSTALL NEW CONDUIT, RE-INSTALL LEAD-IN THROUGH THE CONDUIT AND RE-CONNECT TO THE CONTROLLER.

CONSTRUCTION DETAILS

1. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED
2. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
3. USE EXISTING MICRO-LOOP PROBE
4. USE EXISTING HANDHOLE
5. CAP AND ABANDON EXISTING CONDUIT

PROJECT DESCRIPTION
THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 132 (WEST BEL AIR AVE) AND MD 132A (BEARDS HILL RD.) AND BUSH CHAPEL ROAD IN HARFORD COUNTY. MD 132 IS ASSUMED TO RUN IN A EAST-WEST DIRECTION.

INTERSECTION OPERATION
THE INTERSECTION CURRENTLY OPERATES IN A NEMA SIX-PHASE, FULLY-ACTUATED MODE WITH EXCLUSIVE-PERMISSIVE LEFT TURN PHASES FOR EASTBOUND WEST BEL AIR AVE. AND SOUTHBOUND MD 132A (BEARDS HILL RD.) THIS PHASING WILL NOT CHANGE.

PROJECT CONSTRUCTION
WORK WILL CONSIST OF REPLACING CONDUIT AND REMOVING AND RE-INSTALLING CABLE FOR THE EASTBOUND WEST BEL AIR AVENUE PASSAGE DETECTOR.

EQUIPMENT LIST "B"	
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR	
ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO COTS FOR APPROVAL PRIOR TO INSTALLATION.	
QUANTITY	DESCRIPTION
LS	MAINTENANCE OF TRAFFIC
75 LF	FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
70 LF	FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED
500 LF	REMOVE AND REINSTALL EXISTING CABLE

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

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APPROVALS		REVISIONS	
TEAM LEADER		6-27-06	SHA NO. BW-996M82 REPLACE EASTBOUND PASSAGE DETECTION
ASST. DIV. CHIEF		TMZ	SHA NO. 2885185 INSTALL VIDEO DETECTION CAMERA REMOVE HH & DETECTOR IN SOUTHEAST CORNER
DIVISION CHIEF			
OFFICE DIRECTOR			

SHA		STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION	
TRAFFIC SIGNAL PLAN MD 132 (W. BEL AIR AVE) AND MD 132A (BEARDS HILL RD.) AND BUSH CHAPEL ROAD (CITY OF ABERDEEN)			
SCALE 1"=20'	DATE 6-30-99	CONTRACT NO.	
DESIGNED BY	COUNTY	HARFORD	
DRAWN BY RJM	LOGMILE	120132A0.00	
CHECKED BY AJB	T.I.M.S. NO.		
F.A.P. NO. NA	TOD NO.		
DRAWING NO. TS-3826 B		SHEET NO. 1 OF 1	